

[1] Single Test Puzzle

[2] Multi-Test Puzzle

[3] Exit

Enter your choice: 1

Select Input Method:

[1] Random

[2] File

Enter your choice: 2

Enter your 8-puzzle configuration row by row (use 0 for the empty tile):

1 2 5

3 4 8

6 7 0

Select H Function:

[1] H1

[2] H2

1

Enter Solution Depth (2-20): 4

Step: 0

1 2 5

3 4 8

6 7 0

Step: 1

1 2 5

3 4 0

6 7 8

Step: 2

1 2 0

3 4 5

6 7 8

Step: 3

1 0 2

3 4 5

6 7 8

Step: 4

0 1 2

3 4 5

6 7 8

Search Cost: 5

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1 2 5

4 0 8

3 6 7

Select H Function:

[1] H1

[2] H2

2

Enter Solution Depth (2-20): 8

Step: 0

1 2 5

4 0 8

3 6 7

Step: 1

1 2 5

0 4 8

3 6 7

Step: 2

1 2 5

3 4 8

0 6 7

Step: 3

1 2 5

3 4 8

6 0 7

Step: 4

1 2 5

3 4 8

6 7 0

Step: 5

1 2 5

3 4 0

6 7 8

Step: 6

1 2 0

3 4 5

6 7 8

Step: 7

1 0 2

3 4 5

6 7 8

Step: 8

0 1 2

3 4 5

6 7 8

Search Cost: 9

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2 6 5

1 8 7

4 3 0

Select H Function:

[1] H1

[2] H2

1

Enter Solution Depth (2-20): 16

Step: 0

2 6 5

1 8 7

4 3 0

Step: 1

2 6 5

1 8 0

4 3 7

Step: 2

2 6 5

1 0 8

4 3 7

Step: 3

2 0 5

1 6 8

4 3 7

Step: 4

0 2 5

1 6 8

4 3 7

Step: 5

1 2 5

0 6 8

4 3 7

Step: 6

1 2 5

4 6 8

0 3 7

Step: 7

1 2 5

4 6 8

3 0 7

Step: 8

1 2 5

4 0 8

3 6 7

Step: 9

1 2 5

0 4 8

3 6 7

Step: 10

1 2 5

3 4 8

0 6 7

Step: 11

1 2 5

3 4 8

6 0 7

Step: 12

1 2 5

3 4 8

6 7 0

Step: 13

1 2 5

3 4 0

6 7 8

Step: 14

1 2 0

3 4 5

6 7 8

Step: 15

1 0 2

3 4 5

6 7 8

Step: 16

0 1 2

3 4 5

6 7 8

Search Cost: 387

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[2] Multi-Test Puzzle

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